

What is claimed is:

1. A rotatable display for an electronic device, comprising:

a data transmission board having at least one first connector;

a first locating plate on which the data transmission board is secured;

a second locating plate rotationally engaging with the first locating plate; and

a printed circuit board having a plurality of concentric connecting portions and secured on the second locating plate;

wherein the first connector maintains contact with the connecting portions for signal transmission by the rotational engagement of the first locating plate and the second locating plate.

2. The rotatable display for an electronic device as claimed in claim 1, wherein the first locating plate has a circular first opening provided with a groove on the periphery thereof.

3. The rotatable display for an electronic device as claimed in claim 2, wherein the second locating plate has a circular second opening provided with a flange on the periphery thereof and the flange is fitted with the groove so that the first locating plate rotationally engages with the second locating plate.

1 4. The rotatable display for an electronic device
2 as claimed in claim 1, wherein the first locating plate
3 is a rotatable circular member.

1 5. The rotatable display for an electronic device
2 as claimed in claim 1, wherein three first connectors are
3 circularly disposed on the data transmission board
4 corresponding to the position of the connecting portions
5 and separated by 120°.

1 6. The rotatable display for an electronic device
2 as claimed in claim 1, wherein the data transmission
3 board further comprises a second connector for other
4 devices.

1 7. The rotatable display for an electronic device
2 as claimed in claim 1, wherein the data transmission
3 board is fixed on the first locating plate by bolts.

1 8. An electronic device, comprising:

2 a liquid crystal display module comprising an upper
3 guard member, a liquid crystal display unit, a
4 printed circuit board with a plurality of
5 concentric connecting portions, and a lower
6 guard member with a circular first opening
7 having a flange on the periphery thereof,
8 wherein the liquid crystal display unit and the
9 printed circuit board are disposed between the
10 upper guard member and lower guard member, and
11 the printed circuit board is fixed on the lower
12 guard member;

13 a data transmission module provided with at least
14 one first connector contacting the connecting
15 portions to transmit signals;
16 a locating plate provided with a circular second
17 opening having a groove on the periphery
18 thereof to fit with the flange to maintain
19 rotational engagement of the locating plate and
20 the lower guard member and fix the data
21 transmission module thereon; and
22 a frame module receiving the data transmission
23 module and the locating plate and joining to
24 the liquid crystal display module;
25 wherein the liquid crystal module rotates on the
26 frame module and the first connector maintains
27 contact with the connecting portions to
28 maintain data transmission by means of the
29 rotational engagement of the locating plate and
30 the lower guard member.

1 9. The electronic device as claimed in claim 8,
2 wherein the locating plate is a rotatable circular
3 member.

1 10. The electronic device as claimed in claim 8,
2 wherein the liquid crystal module has a curved portion
3 rotating around the center of the data transmission
4 module.

1 11. The electronic device as claimed in claim 8,
2 wherein three first connectors are circularly disposed on
3 the data transmission module corresponding to the

4 position of the connecting portions and separated by
5 120°.

1 12. The electronic device as claimed in claim 8,
2 wherein the data transmission board further comprises a
3 second connector for other devices.

4 13. The electronic device as claimed in claim 8,
5 wherein the data transmission board is fixed on the first
6 locating plate by means of bolts.